

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092431.D
 Acq On : 24 Jan 2017 16:19
 Operator : UM/SJ
 Sample : I1304-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1634-NOTTINGHAM-COMP

Manual Integrations
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mohammad
 1/25/2017 3:49:34 PM

Quant Time: Jan 24 16:56:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152494	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	594900	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	295810	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	443223	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	403840	20.00	ng	-0.01
86) Perylene-d12	15.63	264	303744	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1385857	141.39	ng	0.02
7) Phenol-d6	6.59	99	1490959	119.42	ng	0.00
23) Nitrobenzene-d5	7.53	82	1050178	96.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	250155	124.10	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1387050	86.71	ng	-0.01
78) Terphenyl-d14	13.11	244	1149791	75.82	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	100442	6.67	ng	# 71
49) Dimethylphthalate	9.74	163	243239	12.93	ng	98
70) Phenanthrene	11.54	178	68956	2.83	ng	98
74) Fluoranthene	12.73	202	156241	6.54	ng	96
77) Pyrene	12.96	202	151905	5.19	ng	97
79) Butylbenzylphthalate	13.57	149	95087	8.02	ng	# 78
80) Benzo(a)anthracene	14.13	228	129909m	5.99	ng	
82) Chrysene	14.17	228	198019m	8.54	ng	
83) Bis(2-ethylhexyl)phthalate	14.13	149	443345	29.70	ng	# 97
84) Di-n-octyl phthalate	14.74	149	133245	4.92	ng	# 76
85) Indeno(1,2,3-cd)pyrene	17.09	276	41084	2.40	ng	94
87) Benzo(b)fluoranthene	15.20	252	107764m	5.53	ng	
88) Benzo(k)fluoranthene	15.21	252	32787m	2.02	ng	
89) Benzo(a)pyrene	15.56	252	53309	3.23	ng	99
91) Benzo(a,h,i)perylene	17.54	276	40093	2.97	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

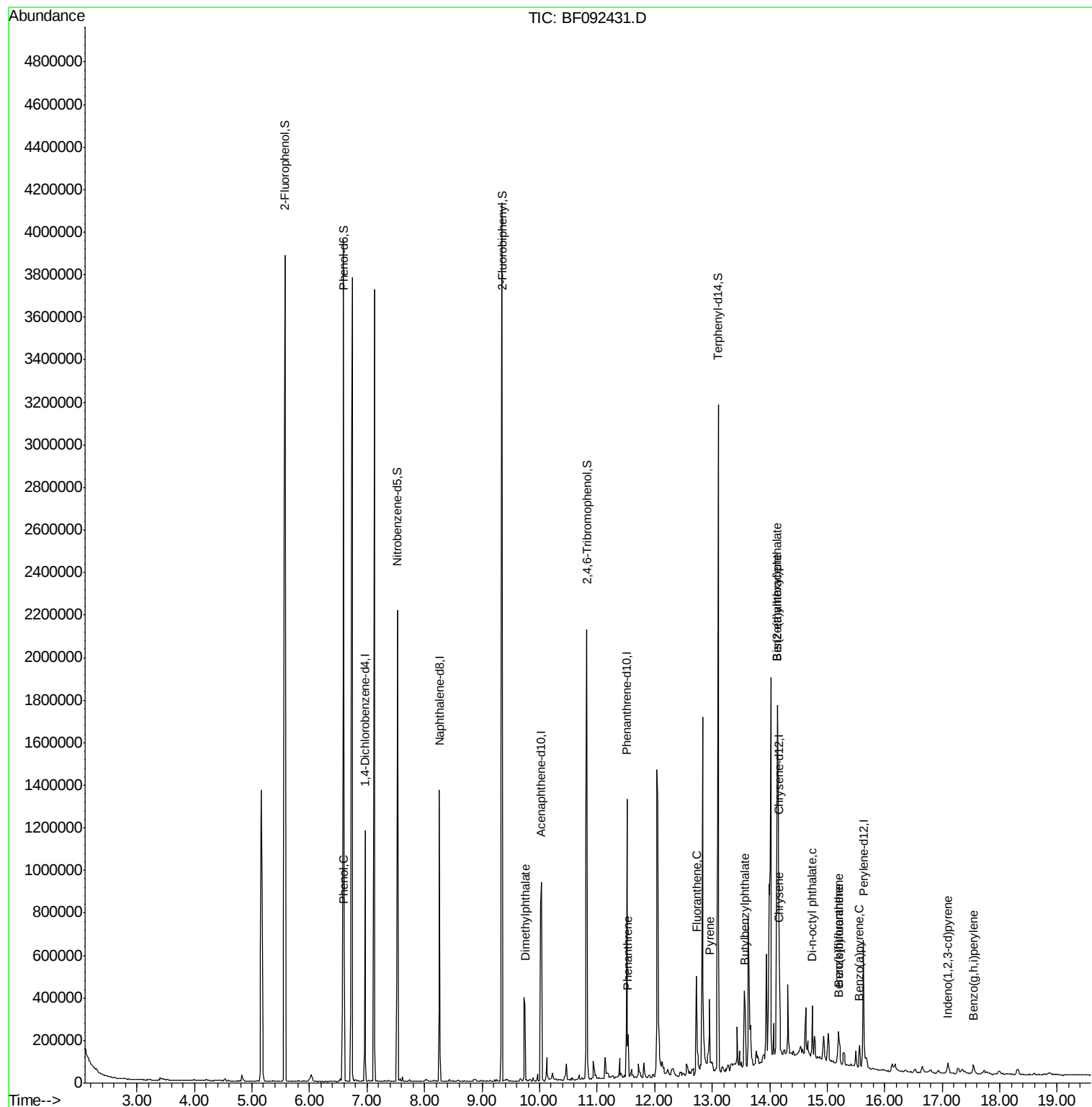
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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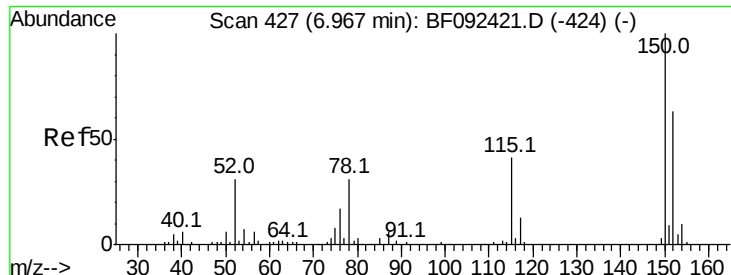
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

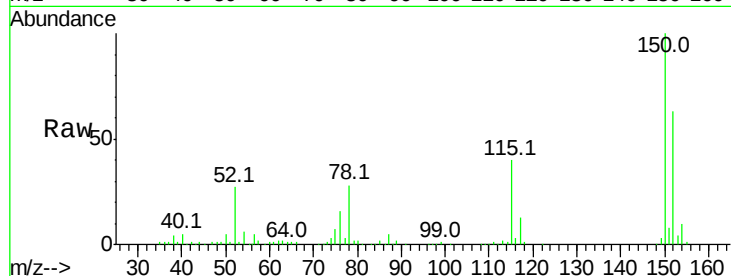
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.9	187.3
115	62.8	46.0	69.0

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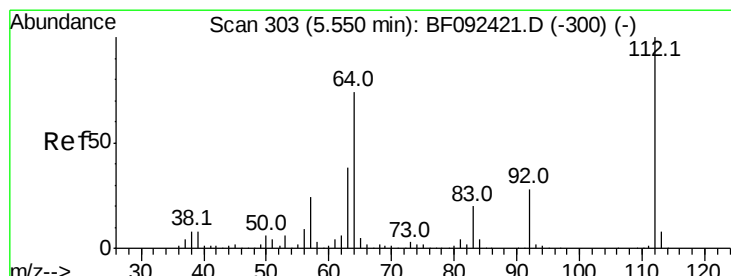
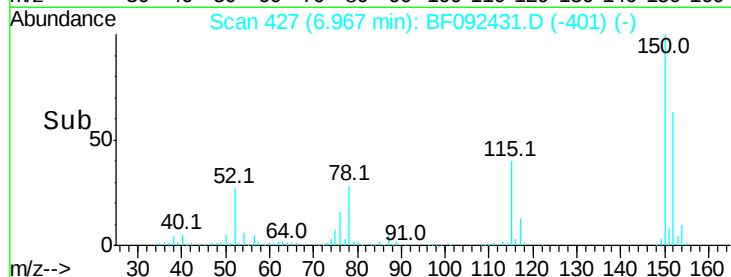
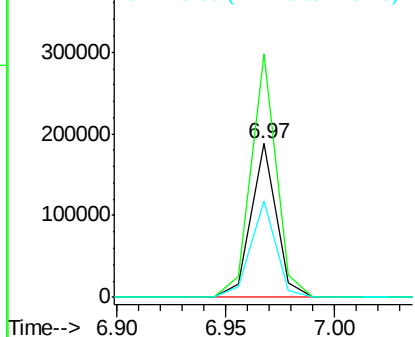


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

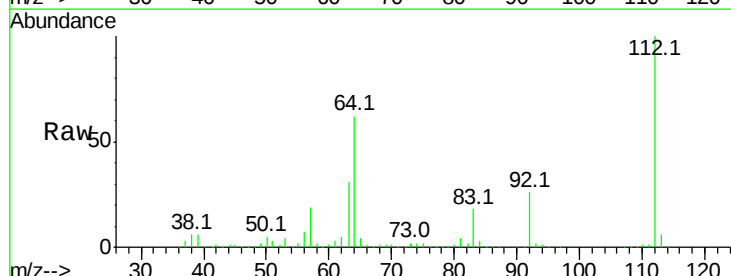
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 141.39 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	46.1	69.1
63	31.1	23.8	35.6

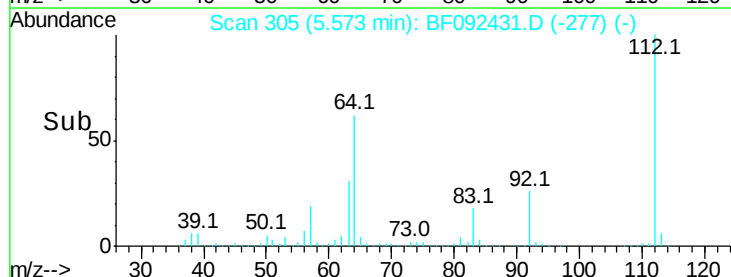
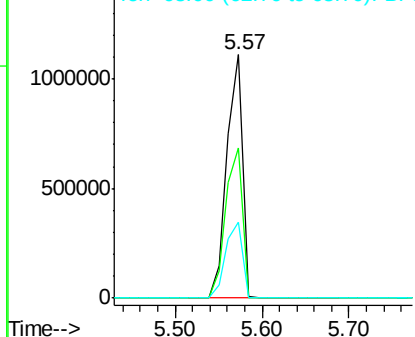


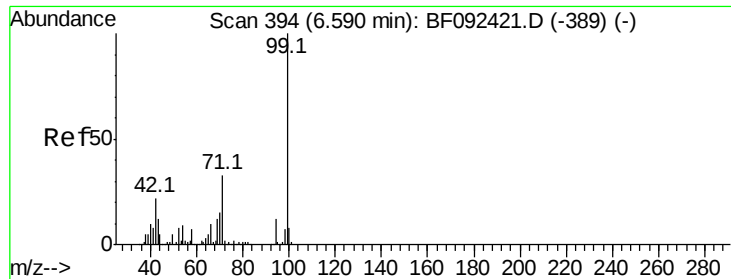
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.42 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092431.D

Acq: 24 Jan 2017 16:19

Instrument :

BNA_F

ClientSampleId :

1634-NOTTINGHAM-COMP

Tot Ion: 99 Resp: 1490959

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

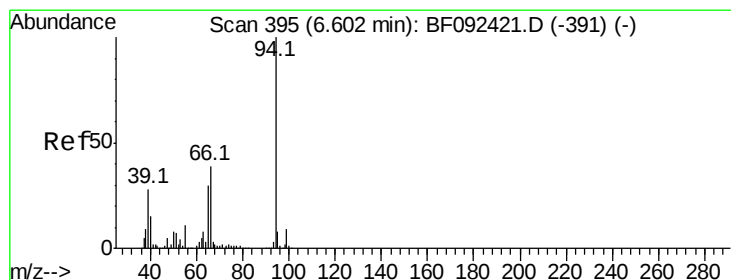
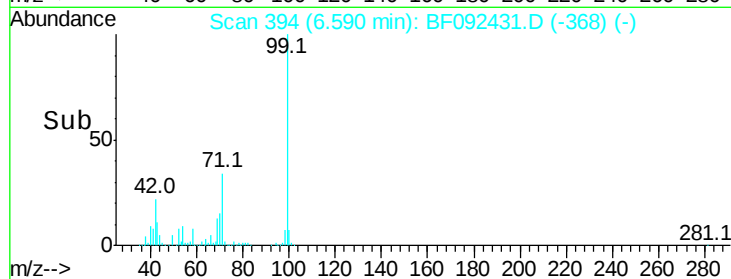
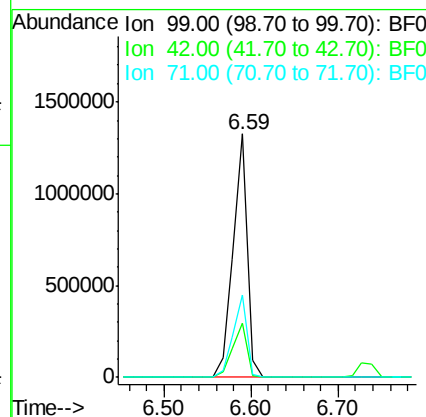
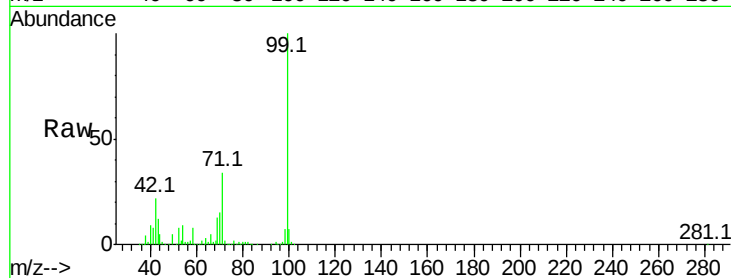
71 33.9 27.5 41.3

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#10

Phenol

Concen: 6.67 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092431.D

Acq: 24 Jan 2017 16:19

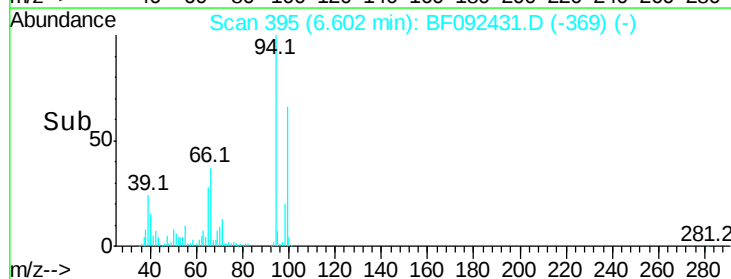
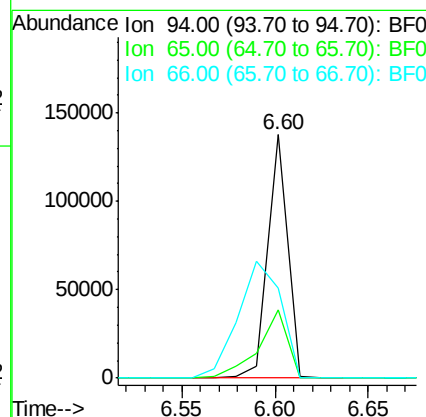
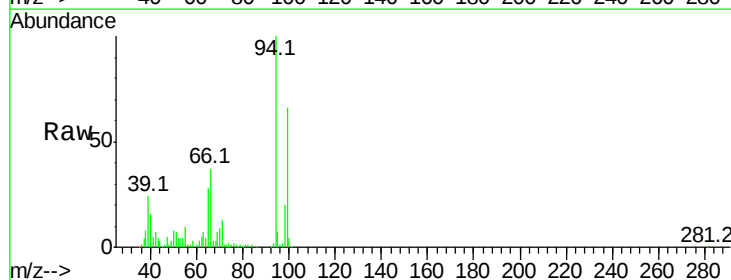
Tgt Ion: 94 Resp: 100442

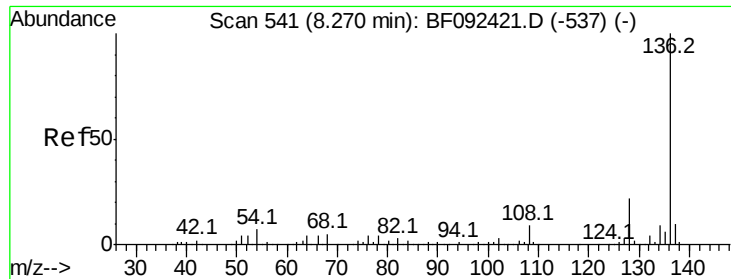
Ion Ratio Lower Upper

94 100

65 27.8 21.4 61.4

66 37.0 44.0 84.0#





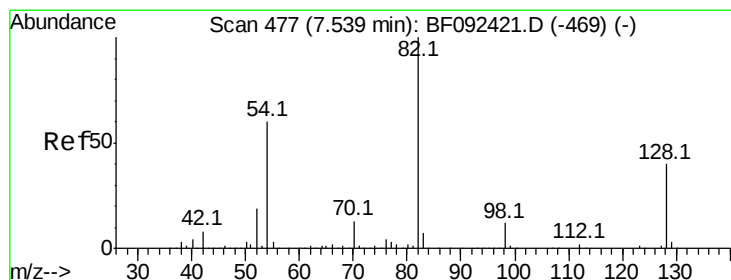
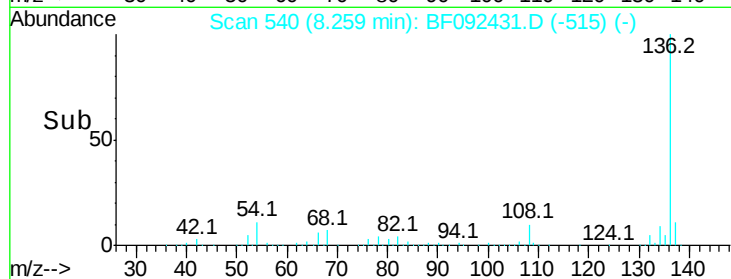
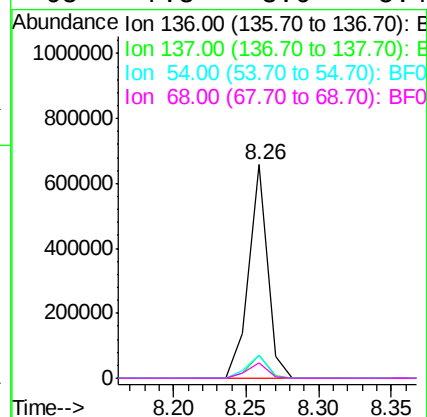
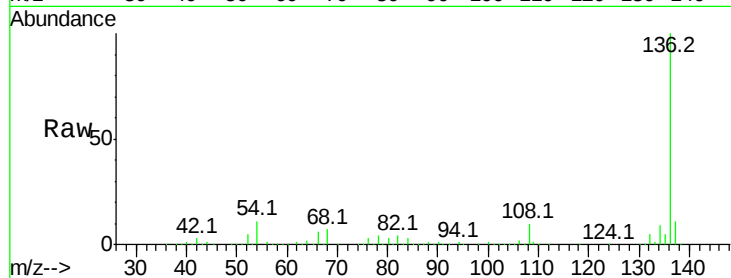
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.4	12.6	
54	10.7	4.5	6.7#	
68	7.3	3.6	5.4#	

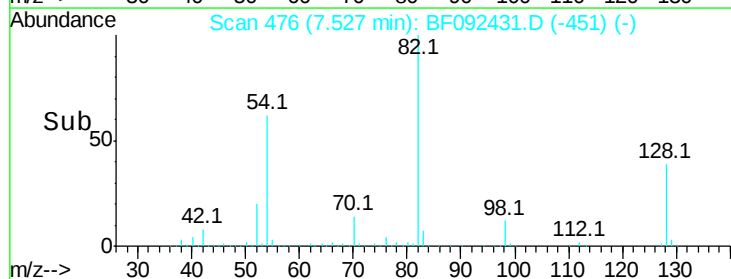
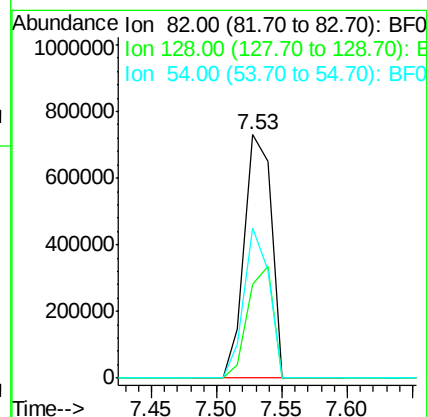
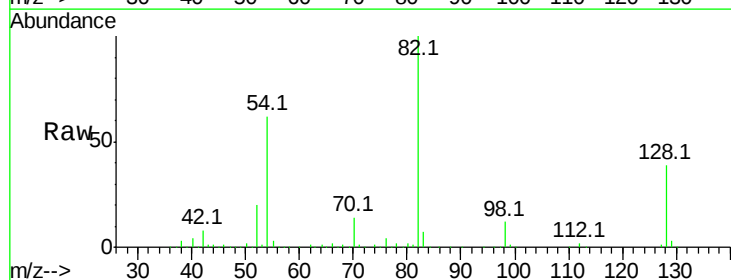
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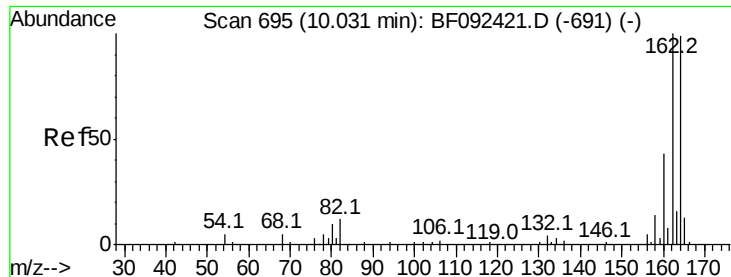
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#23
Nitrobenzene-d5
Concen: 96.43 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.7	34.6	52.0	
54	61.9	39.5	59.3#	





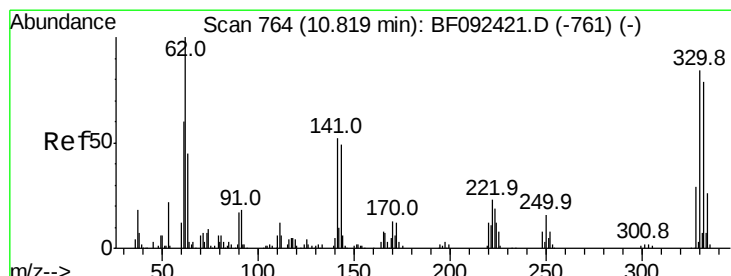
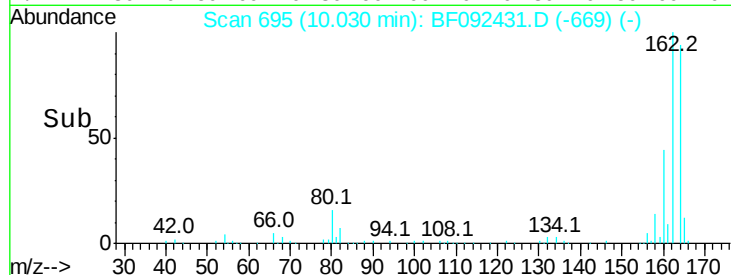
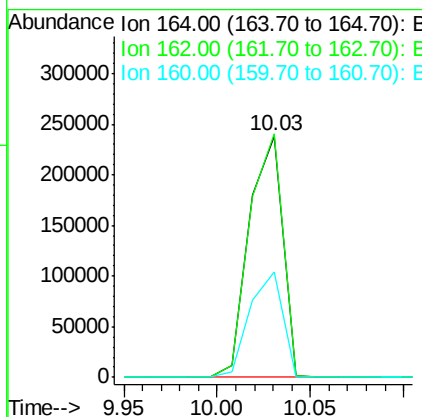
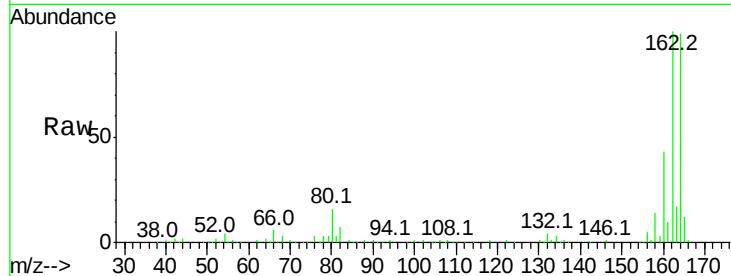
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	295810		
162	100.8	80.2	120.2	
160	43.7	36.9	55.3	

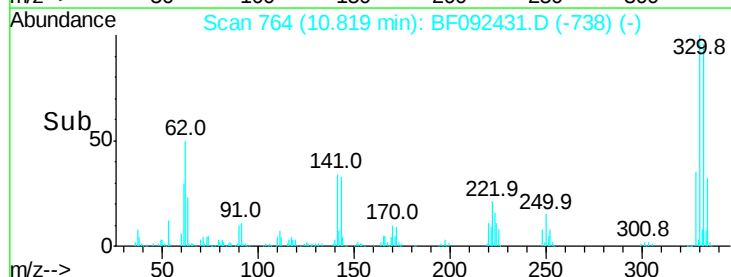
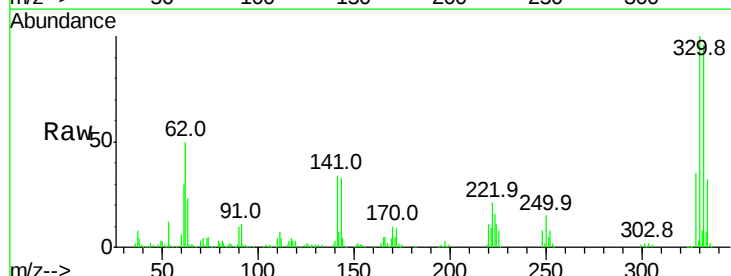
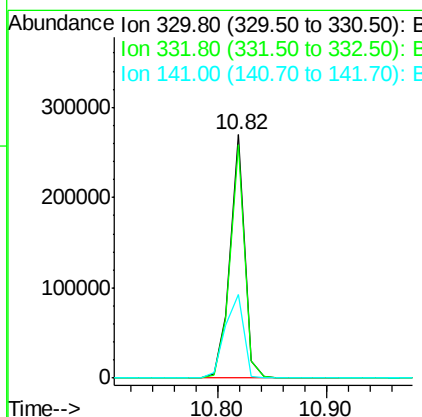
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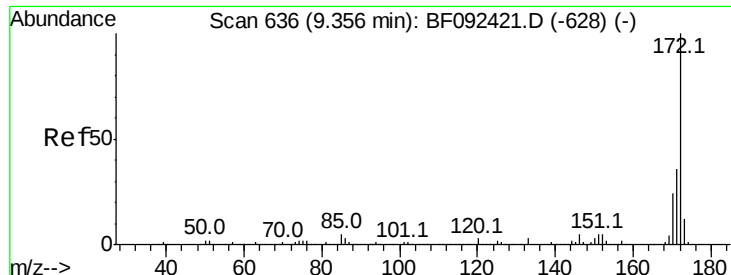
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#41
2,4,6-Tribromophenol
Concen: 124.10 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	250155		
332	96.0	77.4	116.2	
141	44.0	34.1	51.1	





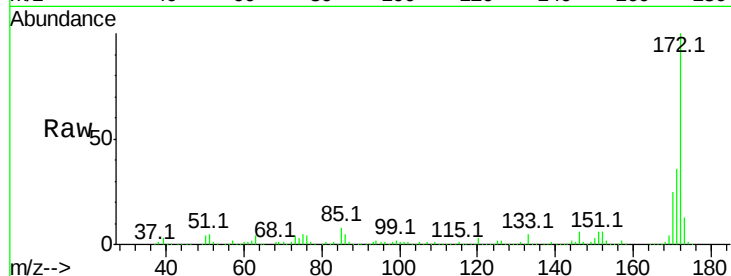
#44
2-Fluorobiphenyl
Concen: 86.71 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

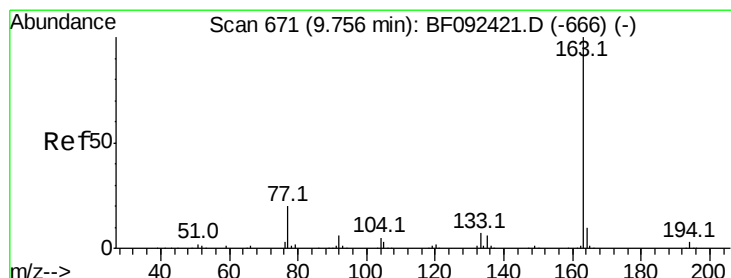
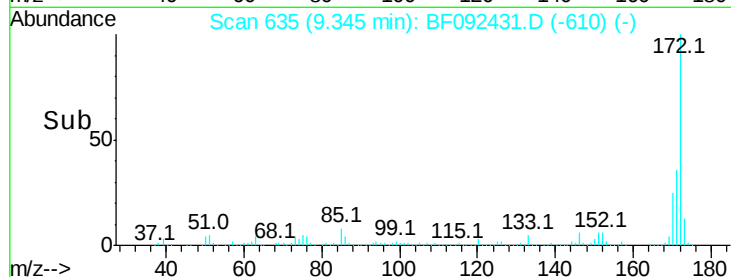
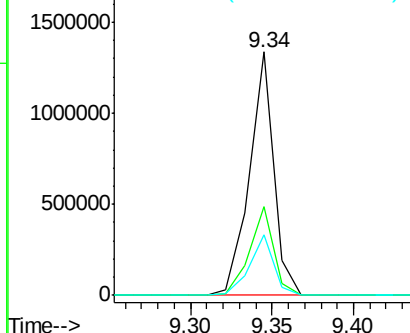
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.8	20.2	30.4

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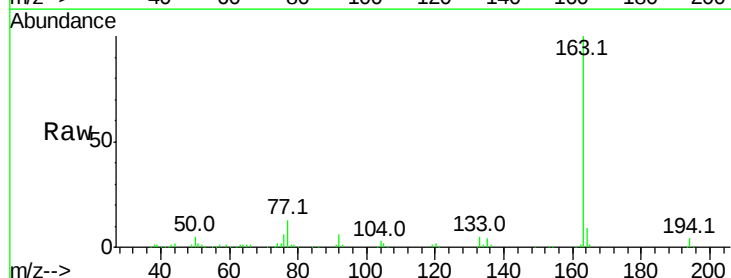


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

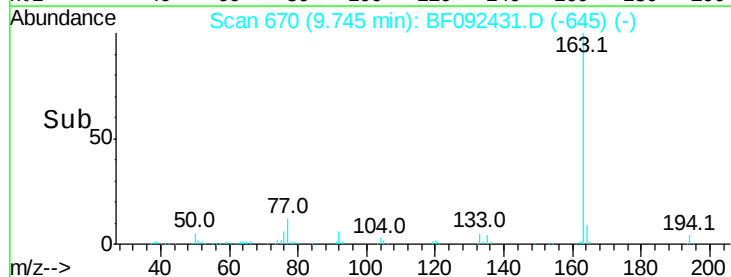
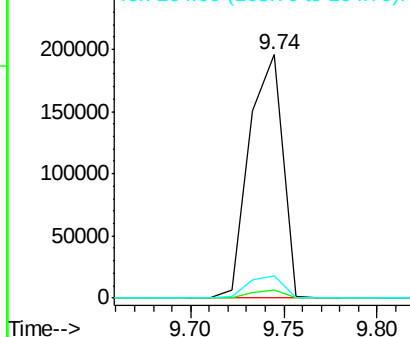


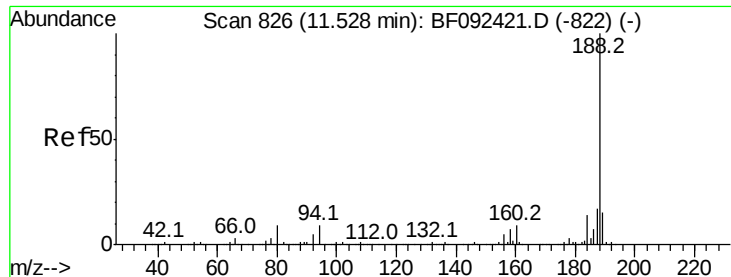
#49
Dimethylphthalate
Concen: 12.93 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.1	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





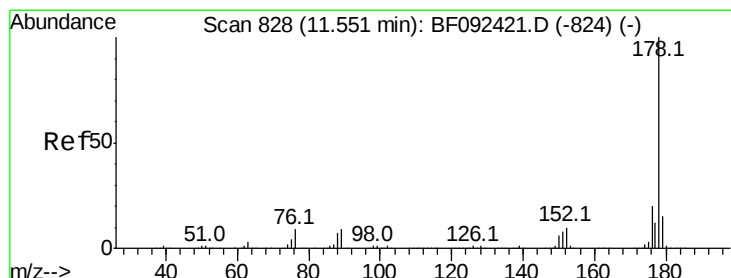
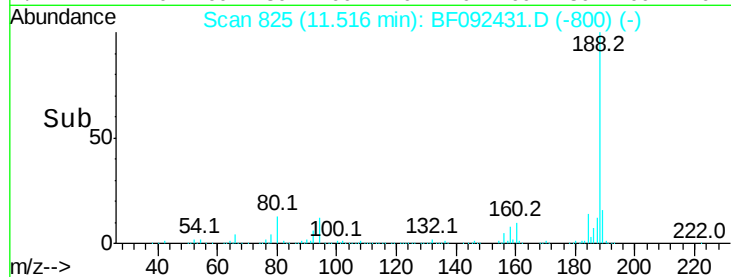
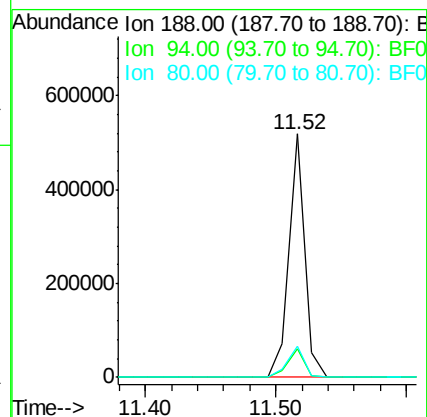
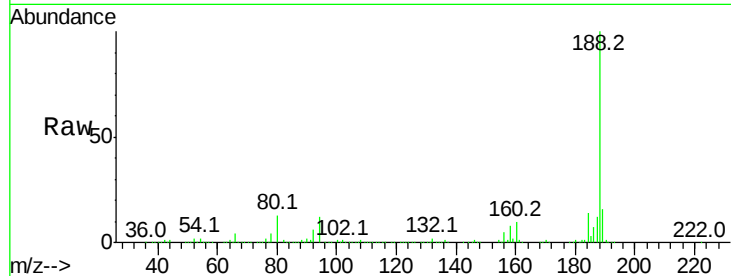
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	443223		
94	11.7		10.0	15.0
80	12.7		11.2	16.8

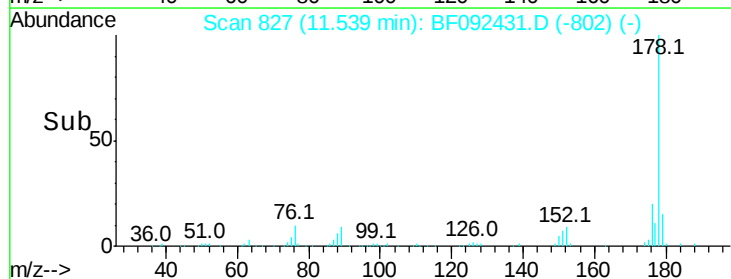
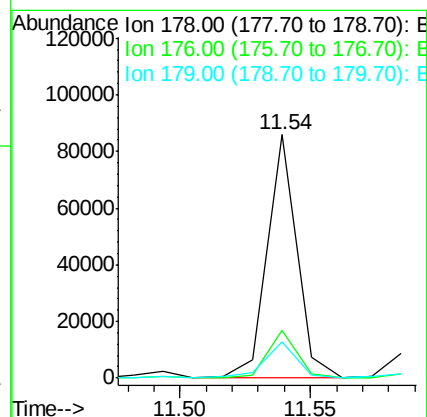
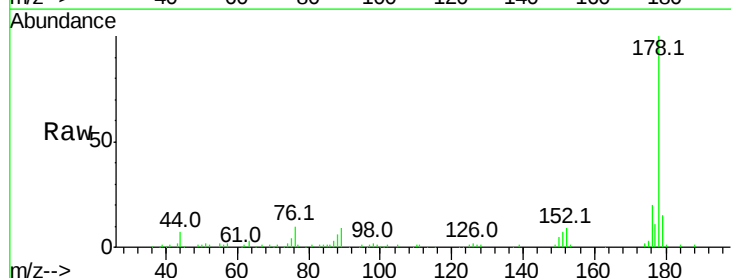
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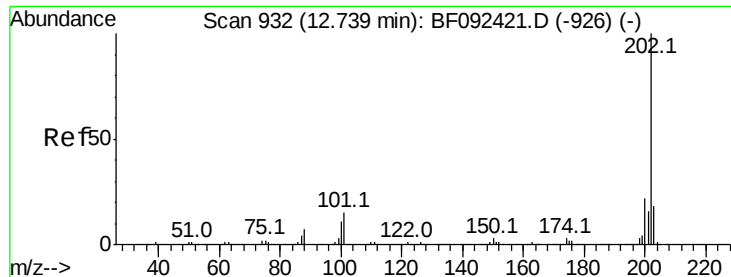
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#70
Phenanthrene
Concen: 2.83 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	68956		
176	19.8		16.6	25.0
179	15.0		12.8	19.2





#74

Fluoranthene

Concen: 6.54 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092431.D

Acq: 24 Jan 2017 16:19

Instrument :

BNA_F

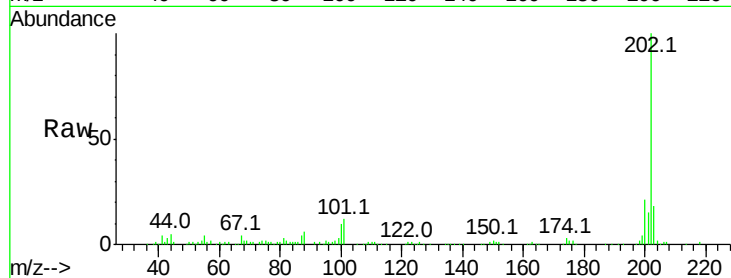
ClientSampleId :

1634-NOTTINGHAM-COMP

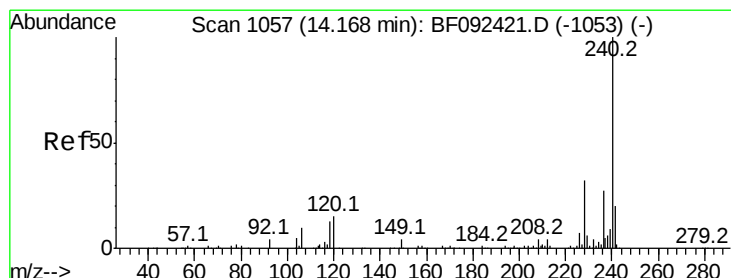
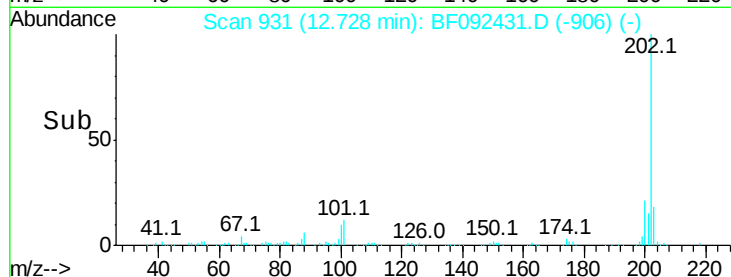
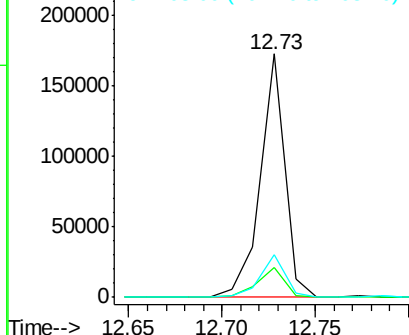
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	34.6
203	17.6	0.0	38.7

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

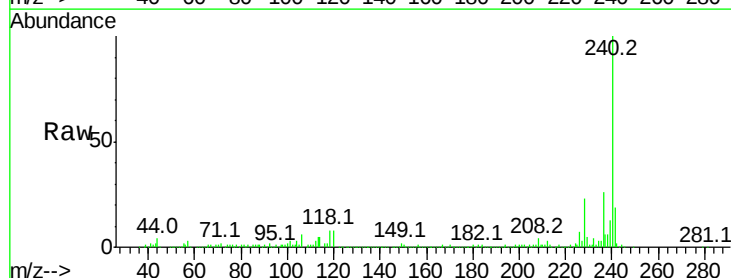
RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

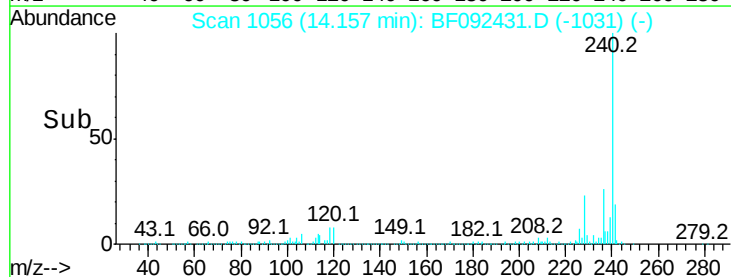
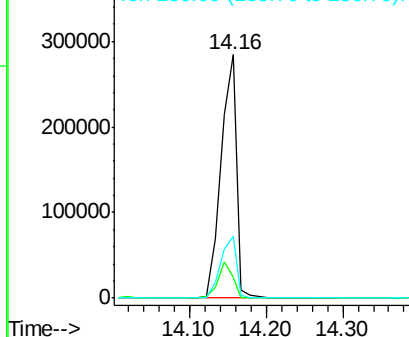
Lab File: BF092431.D

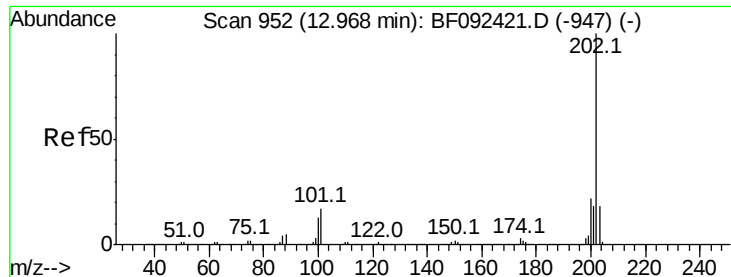
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.5	12.9	19.3#
236	25.5	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.19 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092431.D

Acq: 24 Jan 2017 16:19

Instrument :

BNA_F

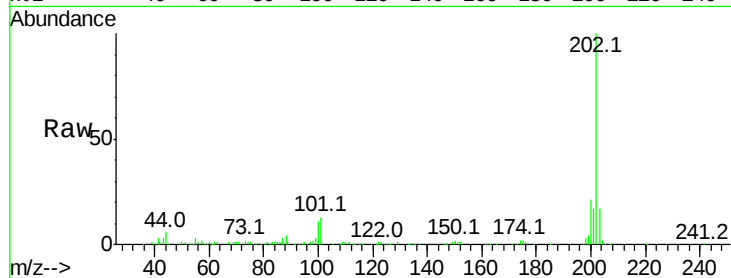
ClientSampleId :

1634-NOTTINGHAM-COMP

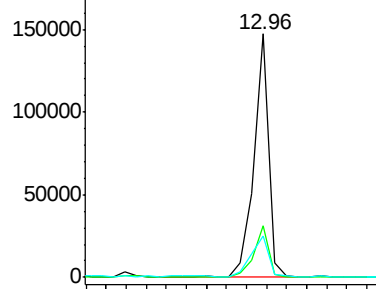
Tot Ion:	202	Resp:	151905
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	16.7	14.7	22.1

Manual Integrations
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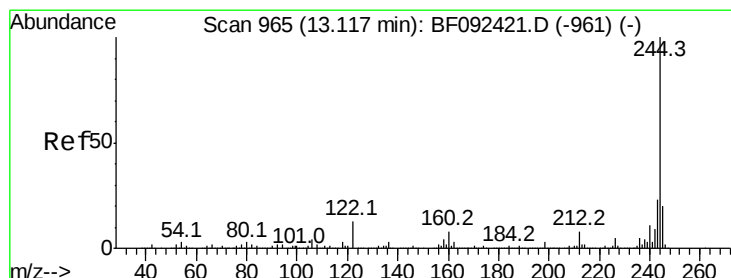
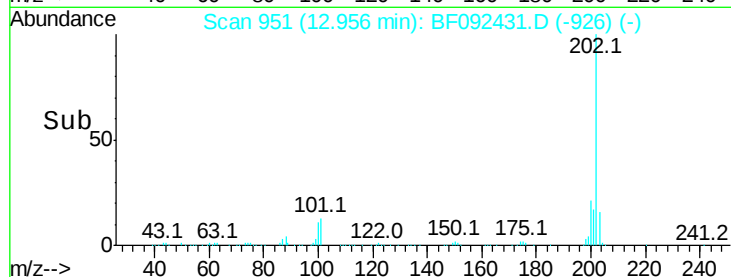
mohammad
1/25/2017 3:49:34 PM



Abundance Ion 202.00 (201.70 to 202.70): E
200000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 75.82 ng

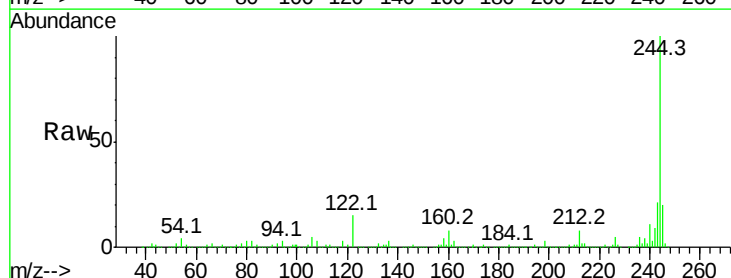
RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

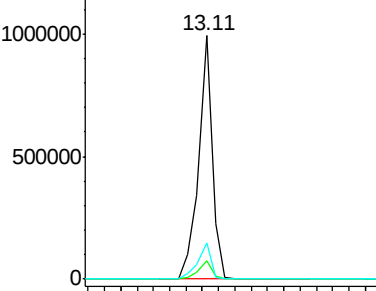
Lab File: BF092431.D

Acq: 24 Jan 2017 16:19

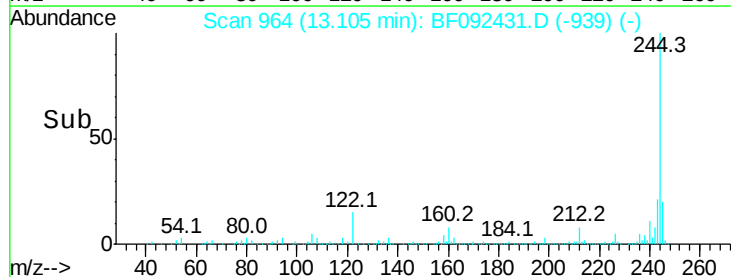
Tgt Ion:	244	Resp:	1149791
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	14.8	11.4	17.2

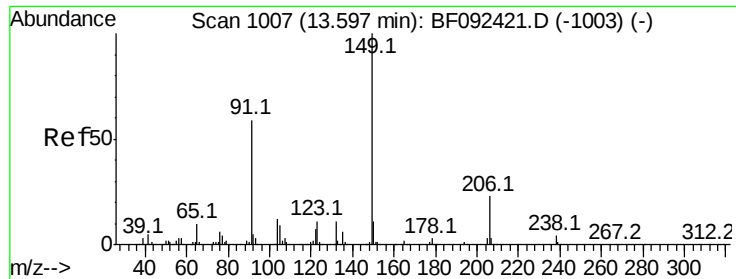


Abundance Ion 244.00 (243.70 to 244.70): E
1000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





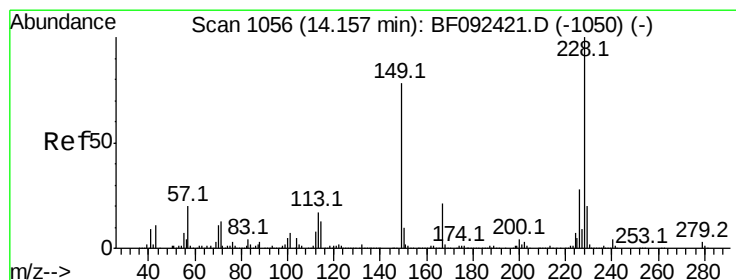
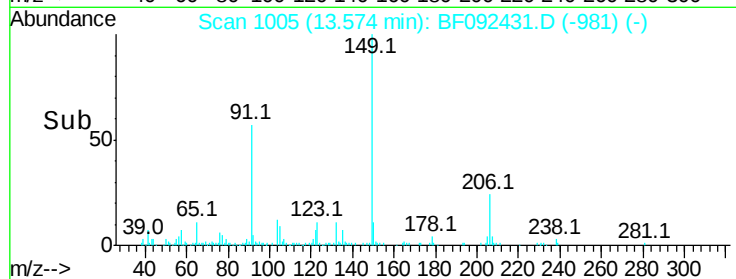
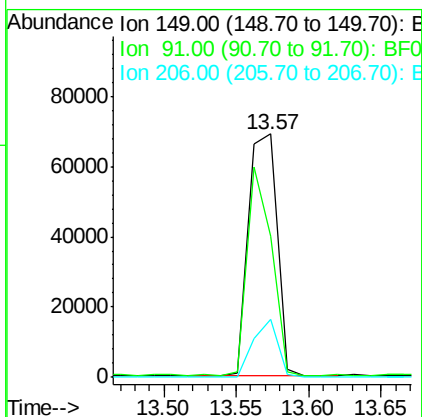
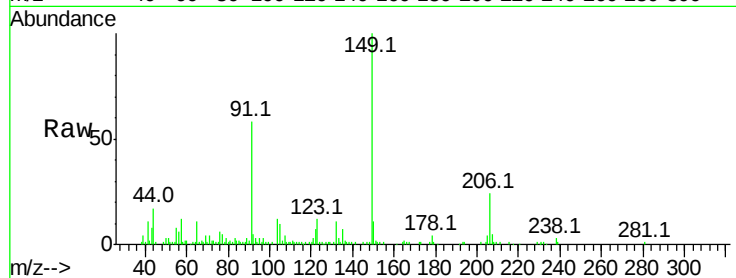
#79
Butylbenzylphthalate
Concen: 8.02 ng
RT: 13.57 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
91	58.2	63.9	95.9#
206	23.9	14.6	21.8#

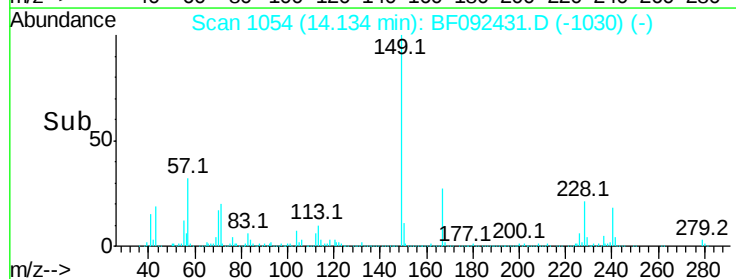
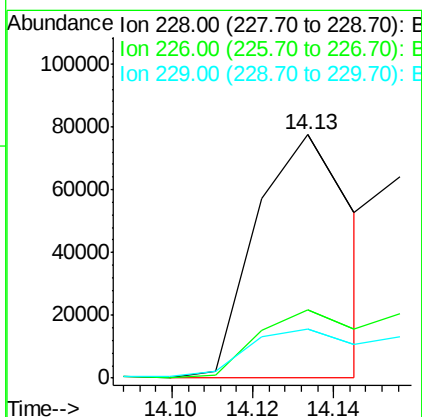
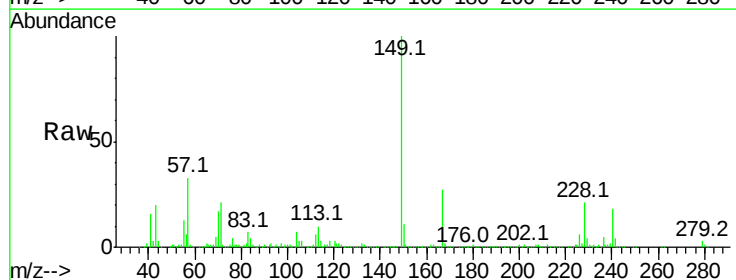
Manual Integrations
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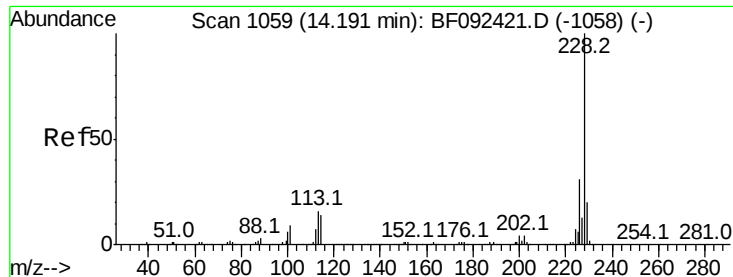
mohammad
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#80
Benzo(a)anthracene
Concen: 5.99 ng m
RT: 14.13 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.9	16.2	24.4





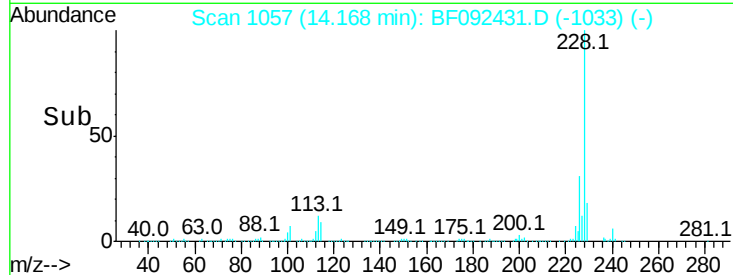
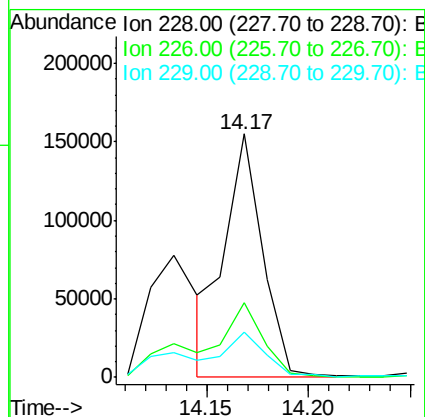
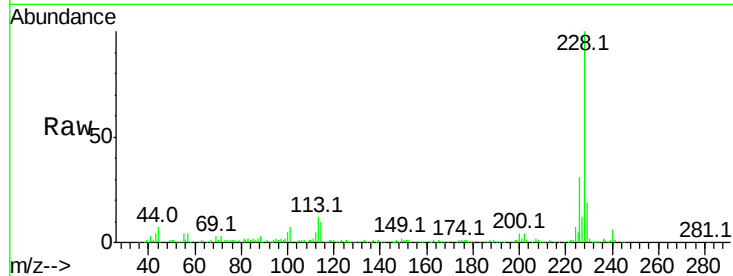
#82
 Chrysene
 Concen: 8.54 ng m
 RT: 14.17 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF092431.D
 Acq: 24 Jan 2017 16:19

Instrument :
 BNA_F
 ClientSampleId :
 1634-NOTTINGHAM-COMP

Tot Ion:	228	Resp:	198019
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.4	38.0
229	18.7	16.2	24.2

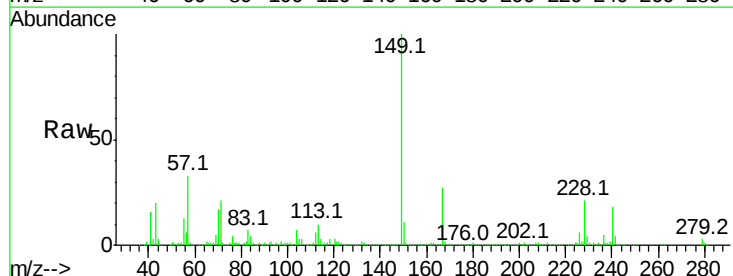
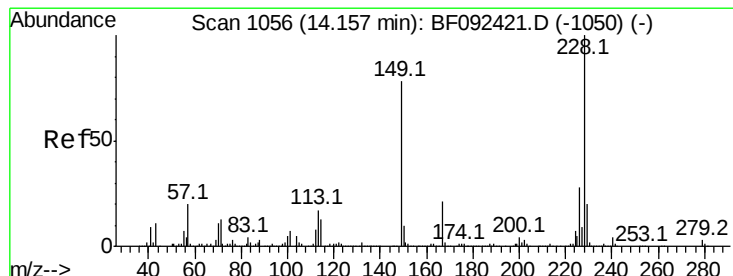
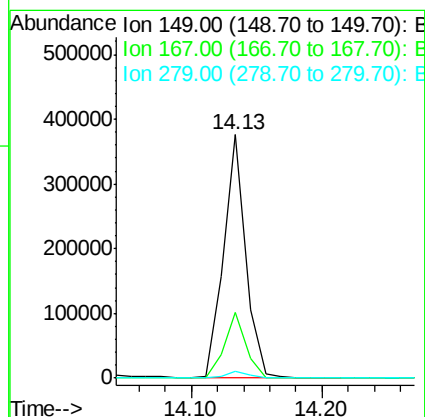
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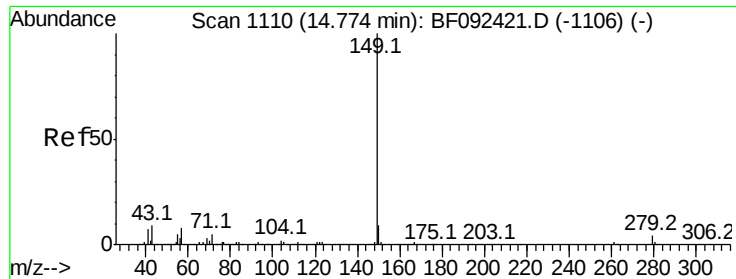
mohammad
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 29.70 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF092431.D
 Acq: 24 Jan 2017 16:19

Tgt Ion:	149	Resp:	443345
Ion Ratio	Lower	Upper	
149	100		
167	26.8	20.2	30.4
279	2.9	1.8	2.8#





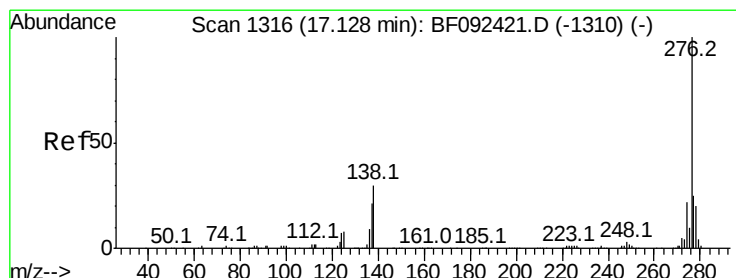
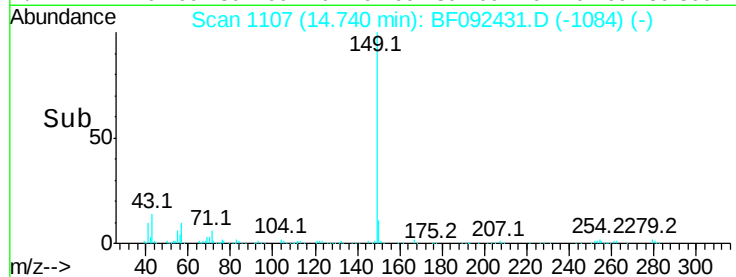
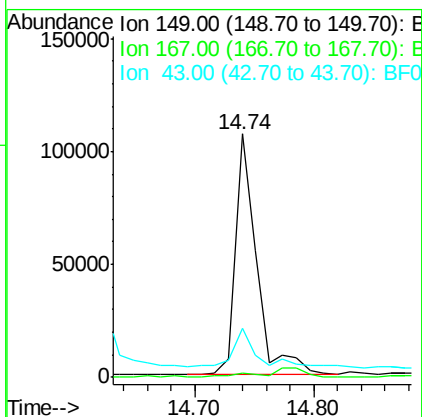
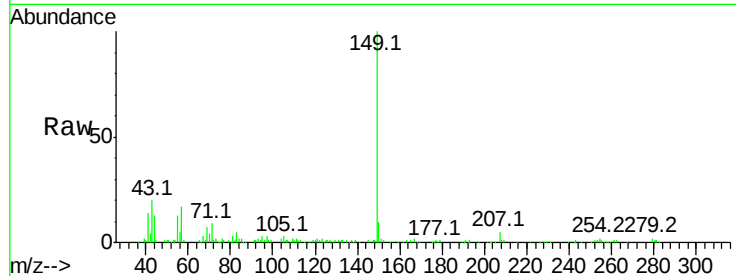
#84
Di-n-octyl phthalate
Concen: 4.92 ng
RT: 14.74 min Scan# 1107
Delta R.T. -0.03 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	21.2	8.9	13.3#

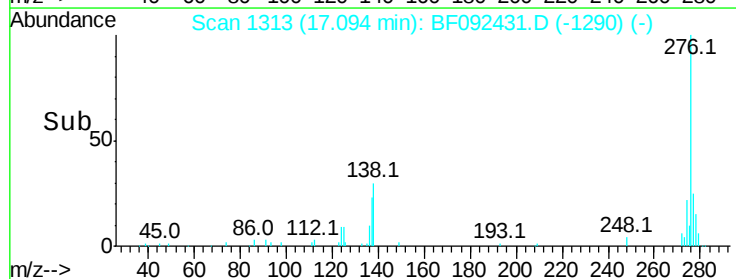
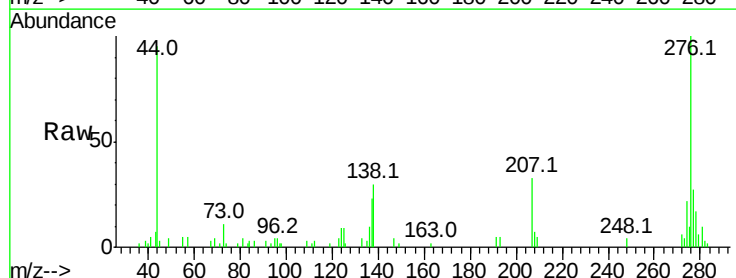
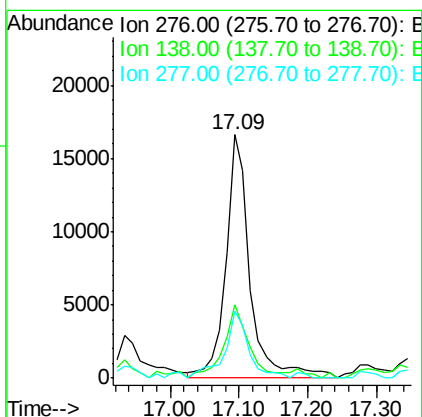
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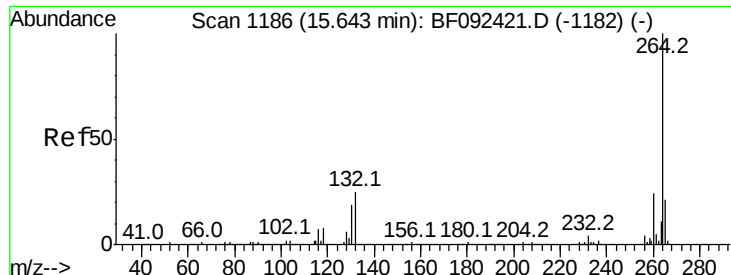
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.40 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	31.2	21.8	32.6
277	27.4	20.2	30.4





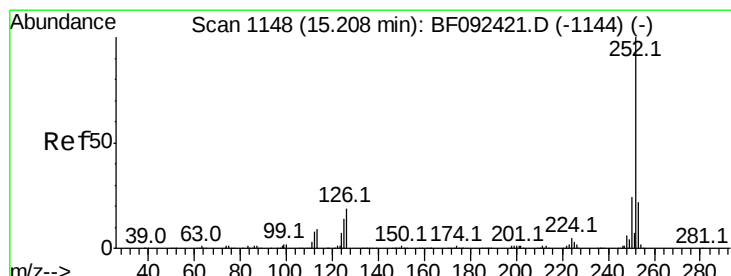
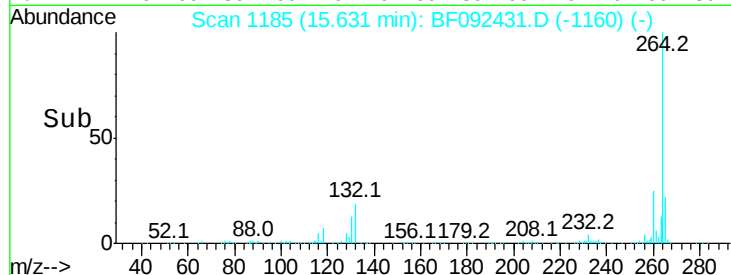
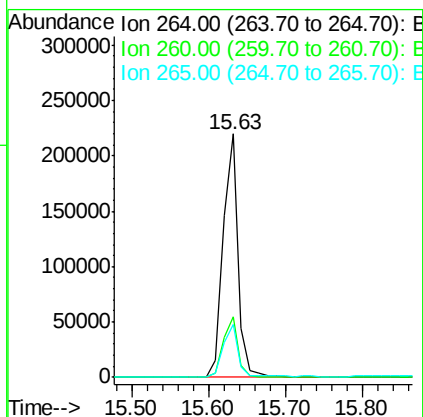
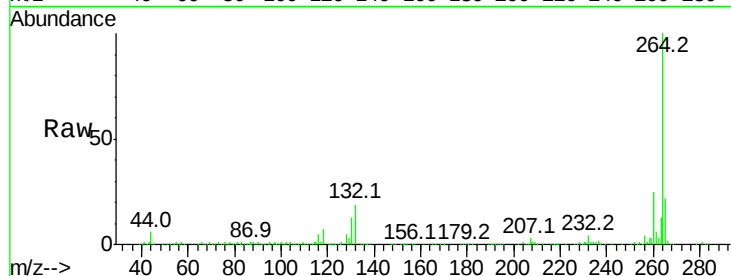
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.8	17.4	26.0

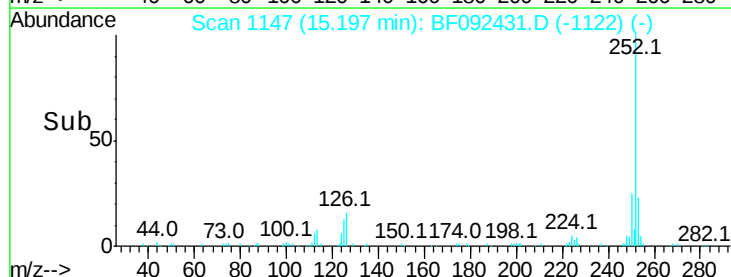
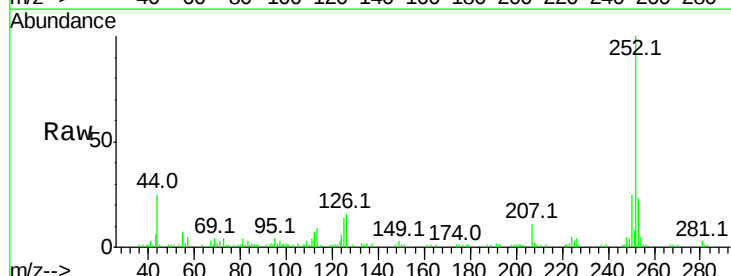
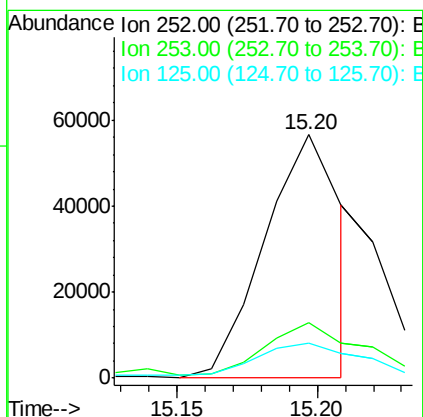
Manual Integrations
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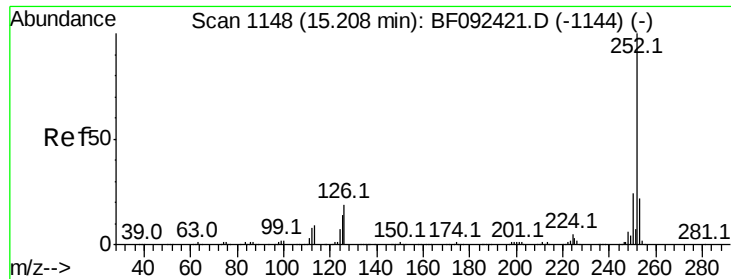
mohammad
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#87
Benzo(b)fluoranthene
Concen: 5.53 ng m
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	14.5	9.8	14.6





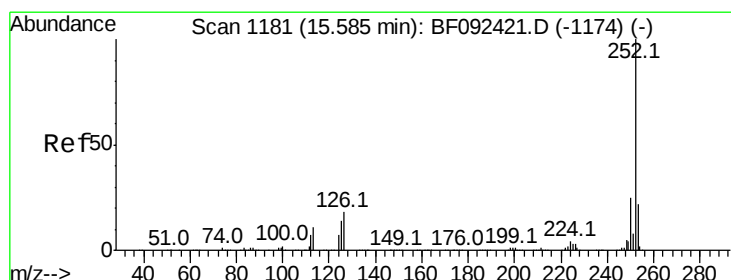
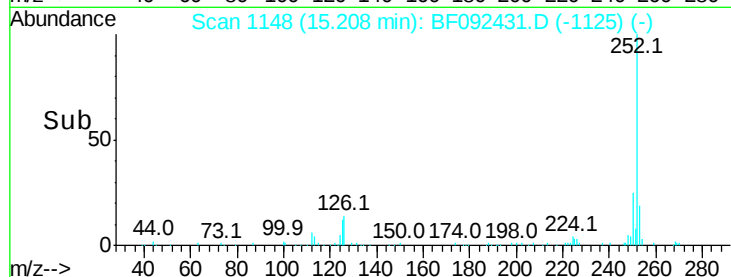
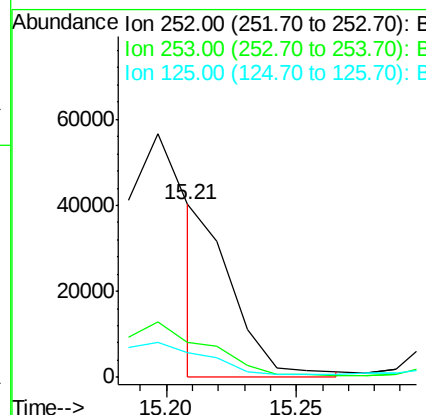
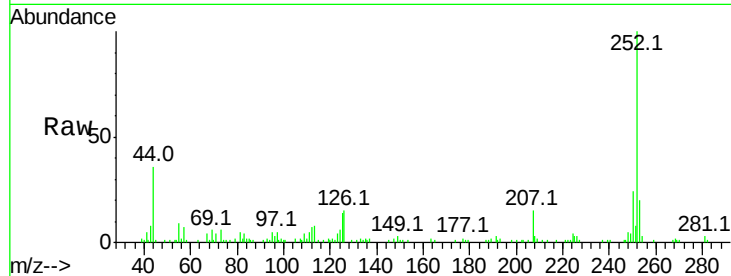
#88
Benzo(k)fluoranthene
Concen: 2.02 ng m
RT: 15.21 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.5	27.7
125	14.3	8.9	13.3

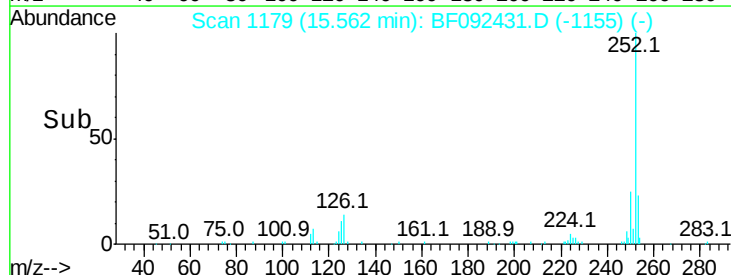
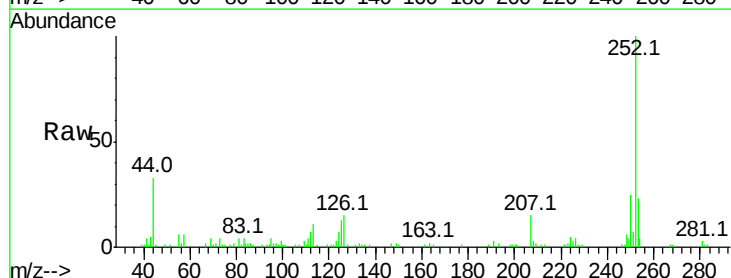
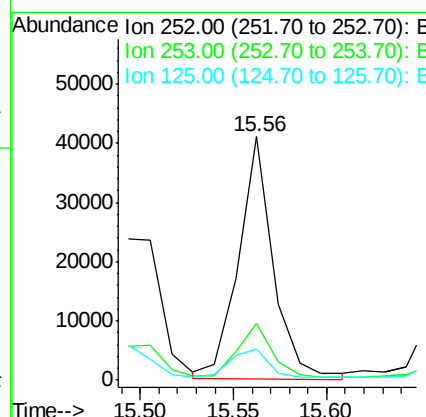
Manual Integrations
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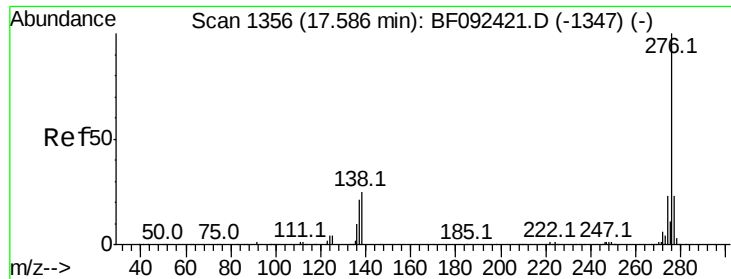
mohammad
1/25/2017 3:49:34 PM



#89
Benzo(a)pyrene
Concen: 3.23 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092431.D
Acq: 24 Jan 2017 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	12.7	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.97 ng
 RT: 17.54 min Scan# 1352
 Delta R.T. -0.05 min
 Lab File: BF092431.D
 Acq: 24 Jan 2017 16:19

Instrument :
 BNA_F
 ClientSampleId :
 1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	31.5	16.0	24.0

Manual Integrations
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